

**NONPROVISIONAL PATENT  
APPLICATION TRANSMITTAL RULE §1.53(b)  
IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

02/20/02  
J1.32 U.S. PTO

Venable  
P.O. Box 34385  
Washington, DC 20043-9998  
Telephone: (202) 962-4800  
Facsimile: (202) 962-8300

Docket No. 40011-178452  
Date: February 20, 2002

Assistant Commissioner for Patents  
Washington, D.C. 20231

1002 U.S. PTO  
10/078278  
02/20/02

Sir:

Transmitted herewith for filing under 37 C.F.R. §1.53(b) is a nonprovisional patent application:

For (Title): MUTATION DETECTION USING MutS AND RecA  
By (Inventors): Robert E. WAGNER, Jr., 11534 WCR 110, Carr, Colorado 80612  
Miroslav RADMAN, 12 bis Rue Lecocq, 94250 Gentilly, France

32 Pages of Specification, including 28 Claims/1 page Abstract are attached.  
 Formal drawings (4 sheets) are attached.  
 A Declaration and Power of Attorney is filed herewith.  
 An assignment of the invention to \_\_\_\_\_ is filed herewith, along with form PTO-1595 and a check for \$40.00.  
 An Information Disclosure Statement is filed herewith, along with form PTO-1449, and 2 references.  
 A Statement to establish small entity status under 37 C.F.R. §§1.9 and 1.27 is filed herewith.  
 A Preliminary Amendment is filed herewith.  
 Please amend the specification by inserting before the first line the sentence --This nonprovisional application claims the benefit of U.S. Provisional Application No. 60/270,428, filed February 21, 2001--  
 Priority of foreign application No. \_\_\_\_\_ filed \_\_\_\_\_ in \_\_\_\_\_ is claimed (35 U.S.C. §119).  
 A certified copy of the above corresponding foreign application is filed herewith.

The filing fee is calculated below and includes claim status after entry of any Preliminary Amendment noted above:

FOR:	SMALL ENTITY		LARGE ENTITY		
	RATE	FEES	OR	RATE	FEES
BASIC FEE		\$ 370	OR		\$ 740
TOTAL CLAIMS	64-20	= 44	OR	X 18	\$
INDEP CLAIMS	6- 3	= 3	OR	X 84	\$
<input checked="" type="checkbox"/> MULTIPLE DEPENDENT CLAIMS			OR	+280	\$
	+140 =	\$ 140	OR	TOTAL	\$
	TOTAL	\$1,023			

A check for the filing fee is **not** enclosed at this time.

This application is entitled to small entity status. **DO NOT** charge fees to our Deposit Account.

Respectfully submitted,

Shmuel Livnat  
Registration No. 33,949